

## CONCRETE BONDING ADHESIVE

### MATERIAL SAFETY DATA SHEET (Complies with OSHA 29 CFR 1910.1200)

#### SECTION I: PRODUCT IDENTIFICATION

The QUIKRETE® Companies  
One Securities Centre  
3490 Piedmont Road, Suite 1300  
Atlanta, GA 30329

Emergency Telephone Number  
(770) 216-9580  
  
Information Telephone Number  
(770) 216-9580

MSDS A1  
Revision: Aug-11

**QUIKRETE® Product Name**  
CONCRETE BONDING ADHESIVE

**Code #**  
9902



**Product Use:** Liquid bonding agent for bonding new concrete to old concrete

#### SECTION II - HAZARD IDENTIFICATION

**Route(s) of Entry:** Inhalation, Ingestion

**Acute Exposure:** None known

**Chronic Exposure:** Repeated or prolonged skin contact may result in mild irritation. Vapor may be an irritant to the respiratory tract. Ingestion may cause irritation to the gastrointestinal tract.

**Carcinogenicity:** Not applicable

**Signs and Symptoms of Exposure:** None known

**Medical Conditions Generally Aggravated by Exposure:** None known

**Chronic Exposure:** None known

#### SECTION III - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| Hazardous Components              | CAS No.       | PEL (OSHA)<br>Mg/m <sup>3</sup> | TLV (ACGIH)<br>mg/m <sup>3</sup> |
|-----------------------------------|---------------|---------------------------------|----------------------------------|
| Vinyl Acetate Ethylene Co-polymer | Not Hazardous |                                 |                                  |
| Vinyl Alcohol Polymer             | Not Hazardous |                                 |                                  |

#### SECTION IV – First Aid Measures

**Eyes:** Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids. Call physician immediately.

**Skin:** Wash skin with cool water and pH-neutral soap or a mild detergent. Seek medical treatment if irritation or inflammation develops or persists.

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**Inhalation:** Remove person to fresh air. Seek medical help if irritation persists.

**Ingestion:** Treat symptomatically and supportively. Get medical attention. DO NOT attempt to give anything by mouth to an unconscious person.

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**SECTION V - FIRE AND EXPLOSION HAZARD DATA**

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**Flammability:** Noncombustible and not explosive.

**Auto-ignition Temperature:** Not Applicable

**Flash Point:** > 212°F

**Extinguishing Media:** Water Fog; Foam; CO<sub>2</sub>; Dry Chemical

**Special Firefighting Procedures:** Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

**Fire & Explosion Hazards:** This is a water-based product and presents no particular fire or explosion hazard. Dry polymer film will burn. Product contains low level of organic volatiles which may be emitted at elevated temperatures.

**Hazardous Combustion Products:** Carbon Monoxide, Carbon Dioxide, unknown hydrocarbons.

**Lower Explosion Limit (%):** Not Applicable

**Upper Explosion Limit (%):** Not Applicable

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**SECTION VI – ACCIDENTAL RELEASE MEASURES**

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Absorb spillages onto sand, earth or any suitable absorbent material. Sweep up and shovel into waste drums. Wash the spillage area with water. Washings must be prevented from entering surface water drains. Disposal should be in accordance with local, state or national legislation.

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**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND STORAGE**

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**Storage Temperature:** 40 – 100°F

**Handling/Storage:** Avoid extreme temperatures. Protect from freezing. This material should not be spilled, discharged, or flushed into sewers or public waterways. Product contains low level of organic volatiles which could accumulate in the un-vented headspace of drums or bulk storage vessels. Open drums in well-ventilated area, avoid breathing vapors.

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**SECTION VIII – EXPOSURE CONTROL MEASURES**

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**Engineering Controls:** General.

**Personal Protection:** Wear safety glasses with side shields. Protect against splashing. The use of chemically resistant gloves is recommended. Clothing protection should be worn. Rubber boots and apron should be worn if exposure is severe. Remove contaminated clothing and launder before reuse.

**Exposure Limits:** Consult local authorities for acceptable exposure limits.

**CEMENT & CONCRETE PRODUCTS™****SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS**

|                                                                                                            |                        |                          |                 |
|------------------------------------------------------------------------------------------------------------|------------------------|--------------------------|-----------------|
| <b>Appearance:</b>                                                                                         | Milky white liquid     | <b>Specific Gravity:</b> | 1.0 to 1.2      |
| <b>Melting Point:</b>                                                                                      | 32°F ( 0°C)            | <b>Boiling Point:</b>    | >212°F ( 100°C) |
| <b>Vapor Pressure:</b>                                                                                     | 17 mm Hg @ 68°F (20°C) | <b>Vapor Density:</b>    | <1(water)       |
| <b>Odor:</b>                                                                                               | vinyl acetate odor     | <b>VOC:</b>              | 1.1 g/L         |
| <b>Evaporation Rate:</b>                                                                                   | <1(water)              |                          |                 |
| <b>Solubility in Water:</b> Water miscible. Dilution with water generally will lower dispersion stability. |                        |                          |                 |

**SECTION X - REACTIVITY DATA**

**Stability:** Stable.

**Incompatibility (Materials to Avoid):** Strong oxidizers, materials that react with water

**Hazardous Decomposition or By-products:** None

**Hazardous Polymerization:** Will Not Occur.

**Condition to Avoid:** Protect from temperatures below 40°F to preserve product utility.

**SECTION XI – TOXICOLOGICAL INFORMATION**

**Routes of Entry:** Inhalation, Ingestion

**Toxicity to Animals:**  
LD50: Not Available  
LC50: Not Available

**Chronic Effects on Humans:** Not established

**Special Remarks on Toxicity:** Unlikely to cause harmful effects under recommended conditions of handling and use

**SECTION XII – ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not Available

**BOD5 and COD:** Not Available

**Products of Biodegradation:** Not available

**Toxicity of the Products of Biodegradation:** Not available

**Special Remarks on the Products of Biodegradation:** Ingress to waterways may cause persistent milky turbidity.

**SECTION XIII – DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Disposal should be in accordance with local, state or national legislation. This product is not classified as a hazardous waste under the authority of the RCRA (40CFR 261) or CERCLA (40CFR 117&302).

**SECTION XIV – TRANSPORT INFORMATION**

**DOT/UN Shipping Name:** Non-regulated

**DOT Hazard Class:** Non-regulated

**Shipping Name:** Non-regulated

Non-Hazardous under U.S. DOT and TDG Regulations

**SECTION XV – OTHER REGULATORY INFORMATION**

**SARA (Title III) Section 313:** Not subject to reporting requirements

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**TSCA (May 1997):** All components are on the TSCA inventory list

**Federal Hazardous Substances Act:** Is a hazardous substance subject to statutes promulgated under the subject act

**Canadian Environmental Protection Act:** Not listed

**Canadian WHMIS:** Considered to be a hazardous material under the Hazardous Products Act as defined by the Controlled Products Regulations and subject to the requirements of WHMIS. This product has been classified according to the hazard criteria of the Controlled Products Regulation (CPR). This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the CPR.

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**SECTION XVI – OTHER INFORMATION**

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|           |                  |                                                                        |
|-----------|------------------|------------------------------------------------------------------------|
| HMIS-III: | Health –         | 0 = No significant health risk                                         |
|           |                  | 1 = Irritation or minor reversible injury possible                     |
|           |                  | 2 = Temporary or minor injury possible                                 |
|           |                  | 3 = Major injury possible unless prompt action is taken                |
|           |                  | 4 = Life threatening, major or permanent damage possible               |
|           | Flammability-    | 0 = Material will not burn                                             |
|           |                  | 1 = Material must be preheated before ignition will occur              |
|           |                  | 2 = Material must be exposed to high temperatures before ignition      |
|           |                  | 3 = Material capable of ignition under normal temperatures             |
|           |                  | 4 = Flammable gases or very volatile liquids; may ignite spontaneously |
|           | Physical Hazard- | 0 = Material is normally stable, even under fire conditions            |
|           |                  | 1 = Material normally stable but may become unstable at high temps     |
|           |                  | 2 = Materials that are unstable and may undergo react at room temp     |
|           |                  | 3 = Materials that may form explosive mixtures with water              |
|           |                  | 4 = Materials that are readily capable of explosive water reaction     |

**Abbreviations:**

|               |                                                                    |
|---------------|--------------------------------------------------------------------|
| <b>ACGIH</b>  | American Conference of Government Industrial Hygienists            |
| <b>CAS</b>    | Chemical Abstract Service                                          |
| <b>CERCLA</b> | Comprehensive Environmental Response, Compensation & Liability Act |
| <b>CFR</b>    | Code of Federal Regulations                                        |
| <b>CPR</b>    | Controlled Products Regulations (Canada)                           |
| <b>DOT</b>    | Department of Transportation                                       |
| <b>IARC</b>   | International Agency for Research                                  |
| <b>MSHA</b>   | Mine Safety and Health Administration                              |
| <b>NIOSH</b>  | National Institute for Occupational Safety and Health              |
| <b>NTP</b>    | National Toxicity Program                                          |
| <b>OSHA</b>   | Occupational Safety and Health Administration                      |
| <b>PEL</b>    | Permissible Exposure Limit                                         |
| <b>RCRA</b>   | Resource Conservation and Recovery Act                             |
| <b>SARA</b>   | Superfund Amendments and Reauthorization Act                       |
| <b>TLV</b>    | Threshold Limit Value                                              |
| <b>TWA</b>    | Time-weighted Average                                              |
| <b>WHMIS</b>  | Workplace Hazardous Material Information System                    |



**CEMENT & CONCRETE PRODUCTS™**

Revision #10-01, supersedes all previous revisions.

Created: November 15, 2006

Last Updated: August 23, 2011

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